

AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A device ~~to generate~~ for generating pulsed motions, comprising:

a motorized drive element (1) connected to a drive shaft (16);

(A)—two parallel shafts (3; 4), each of said parallel shafts having a longitudinal axis (5; 6), a rear end (7; 8), and a front end (9; 10);

(B)—a gear unit (2) comprising ~~at least two oval gears (20; 21) (20'; 20")~~, at least one of said ~~at least two oval gears (20) (20')~~ being ~~oval gears and each gear (20; 21) connected to the drive shaft (16) and the other of said two oval gears (20")~~ being connected to ~~one of the rear ends (7; 8) (rear end (7) of one of the two parallel shafts (3; 4) (3)~~;

(C)—two arcuate drive levers (30; 31), each of said arcuate drive levers having a first end (32; 33) and at least one second end (34; 35), where each first end (32; 33) of the drive levers (30; 31) is connected in a rotatable manner with one respective front end (9; 10) of the two parallel shafts (3; 4) about a first axis of rotation (11; 12); and

(E)—a polysomic drive body (40) connected to the second ends (34; 35) of the drive levers (30; 31) so as to be rotatable about two second axes of rotation (13; 14) ~~[[;]]~~;

wherein

~~—— (F) — the drive body (40) is a polysomic body,~~
~~(G) — the legs of each arcuate drive lever (30; 31) subtend a plane (36; 37)~~
~~and the second axes of rotation (13; 14) are situated in the planes (36; 37),~~
~~—— (H) — the two second axes of rotation (13; 14) are spaced a distance (A)~~
~~apart~~oval gears (20'; 20") exhibit a large semi-axis (a) and a small semi-axis (b),
a ratio of the small semi-axis (b) to the large semi-axis (a) is $1/\sqrt{2}$, and
~~(I) — at each drive lever (30; 31) the first axis of rotation (11; 12) and the~~
~~second axis of rotation (13; 14) are separated by a gap (B), and~~
~~—— (J) — wherein the distance (A) is equal to the gap (B)~~only one of the two
parallel shafts (3) is connected to the drive shaft (16) of said motorized drive element
(1) by means of said gear unit (2) of oval gears (20'; 20").

Claim 2 (currently amended): The device as claimed in claim 1, wherein each
arcuate drive lever (30; 31) subtends a plane (36; 37), the second axes of rotation
(13; 14) are situated in the planes (36; 37) and the first axes of rotation (11; 12) are
transverse to the planes (36; 37).

Claim 3 (previously presented): The device as claimed in claim 1, wherein the
second axes of rotation (13; 14) are mutually skewed.

Claim 4 (canceled)

Claim 5 (currently amended): The device as claimed in claim 1, wherein ~~the~~
~~oval gears (20) exhibit a large semi-axis (a) and a small semi-axis (b) and wherein~~

~~the shape of the two oval is determined in that two~~ gears (20'; 20") are mutually engaging ~~gears (20) and~~ roll off one another at a constant axial separation in a positively locking manner.

Claim 6 (previously presented): The device as claimed in claim ~~4~~ 5, wherein the distance between the axes of two mutually engaging oval gears ~~(20) (20'; 20")~~ is composed of the sum of the large semi-axis (a) and the small semi-axis (b) of the two oval gears ~~(20) (20'; 20")~~.

Claims 7-13 (canceled)